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Model #: SU10000RT3U

SmartOnline Expandable Rack/Tower UPS System - Online, double-conversion protection for mission critical applications

Highlights

- 10,000VA/10kVA on-line 6U rack/tower UPS with expandable runtime (3U Power Module + 3U Battery Pack)
- Zero transfer time, on-line, double-conversion and economy-mode operation supported
- Manual bypass switch and detachable PDU enable hot-swap UPS replacement without powering off connected loads
- 200, 208, 230 or 240V selectable input/output voltage
- 2% output voltage regulation over an input voltage range of 156-276V
- Enhanced serial communications ports, SNMP/Web Card Slot and EPO interfaces
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

10,000VA (10kVA) on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Installs in only 6 rack spaces (3U power module and 3U battery pack); maximum installed rack depth of 32.5 in. Expandable battery runtime with optional external battery packs. Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without consuming battery power during brownouts to 156V and overvoltages to 276V. Highly efficient operation in optional economy mode setting, saving BTU heat output and energy costs. Standard 3-wire 208V hardwire input connection; NEMA L6-30R and L6-20R output receptacles. Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without disrupting power to connected equipment. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support communications via RS-232, contact-closure port and optional SNMPWEBCARD slot. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Front panel LEDs provide at-a-glance confirmation of line power status, battery power status, AC-to-DC conversion, DC-to-AC conversion, bypass mode and output power status. LED/LCD display panel rotates for better viewing in rackmount or tower configurations. Detailed LCD panel with scroll buttons provides detailed diagnostic test information at startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage and battery charge level. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. 4-post rackmount accessories and 2-9USTAND tower kit included; 2POSTRMKITWM 2-post rackmount hardware accessories available. Field-replaceable, hot-swappable power module and external battery packs. Attractive all-black color scheme. 2-year warranty; extended warranty and service contracts available. $250,000connected equipment insurance

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19-in. rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

Package Includes

- 3U power module with detachable hot-swap PDU input/output panel and bypass switch
- 3U external battery pack

- Two sets of 4-post rackmount rails (one for each of the 3U components)
- One set of tower stands for upright tower configuration
- PowerAlert Software, complete cabling, owner's manual with warranty information

Features

- 10,000VA (10kVA) on-line, double-conversion UPS system (high-voltage input/high-voltage output)
- Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without powering off connected equipment
- Installs in only 6 rack spaces (3U power module/3U battery pack) with a maximum installed depth of 32.5 in.
- Offers 4 min. runtime at full load (10,000VA/8000W) and 10 min. at half load (5000VA/4000W). Runtime is expandable with any number of optional external battery packs
- Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output (user selectable)
- Actively converts raw incoming AC power to DC, then re-converts output to completely regulated, filtered AC output
- Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V
- Standard 3-wire 208V hardwire input connection
- 4 x NEMA L6-20R and 2 x NEMA L6-30R output receptacles
- Detailed LCD panel with scroll buttons provides detailed diagnostic test information on startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage, battery charge level and more
- Network-grade AC surge and noise suppression
- Zero transfer time between AC and battery operation
- Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port, and contact closure port for unattended shudown, remote control and monitoring of UPS system and power data
- Supports detailed monitoring of equipment load levels, self-test data and mains power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling
- Emergency Power Off (EPO) interface
- Front panel LEDs provide at-a-glance confirmation of line power status, battery power status, AC-to-DC & DC-to-AC conversion, bypass mode and output power status
- Fault-tolerant auto-bypass mode prevents loss of output during UPS fault conditions or excessive UPS loading
- 4-post rackmount and upright tower installation accessories included; 2POSTRMKITWM 2-post rackmount hardware accessories available
- Field-replaceable, hot-swappable power module and external battery packs
- Attractive all-black color scheme
- 2-year warranty; extended warranty and service contracts available
- $250,000 connected equipment insurance
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Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V AC (200/208/220/230/240V)
Frequency compatibility	50/60 Hz
OUTPUT	
Output VA	10000
Output watts	8000
Output nominal voltage	208V AC (200/208/220/230/240V)
Output voltage regulation	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 3% total harmonic distortion when used with computer loads
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	4 x NEMA L6-20R, 2 x NEMA L6-30R
INPUT	
Maximum input amps	200V-46.7A / 208V- 44.9A / 220V- 42.4A / 230V-40.6A / 240V-38.9A
Input connection type	Hardwire
BATTERY	

Full load runtime	4 min. (10,000VA/8000W)
Half load runtime	10 min. (5000VA/4000W)
Connects to UPS via	Included 3-wire DC cable
DC system voltage	240VDC
Typical battery lifespan	4-6 years
Battery recharge rate	Less than 8 hours to 90% (included battery set only)
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 276V AC, regulating output within 2% of selected nominal
Brownout correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156V AC, regulating output within 2% of selected nominal
LEDS ALARMS & SWITCHES	
Front panel LEDs	6-LED display: line power, bypass, inverter, charger, output AC and battery operation. LED/LCD display panel easily rotates for better viewing in rackmount or tower configurations.
Alarms	Multi-function audible alarm offers notification of UPS start, backup operation, low battery, overload, UPS fault, inverter fault, DC bus fault, overtemperature, remote shutdown, shutdown imminent and shutdown complete
Switches	Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions
SURGE / NOISE SUPPRESSION	
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	331
Shipping weight (kg)	150.3
Shipping Dimensions (HWD/in)	39.75 x 31.5 x 23
Shipping Dimensions (HWD/cm)	101 x 80 x 58.4
Unit weight (lbs)	Power Module 55 lbs., Battery Pack: 136.5 lbs.
Unit weight (kg)	Power Module 25 kg., Battery Pack: 62 kg
Unit Dimensions (HWD/in)	Power Module 5.14 x 17.5 x 25, Battery Pack 5.16 x 17.5 x 25 (Installed depth of power module extends to 32.5 inches with detachable PDU backplate installed)
Unit Dimensions (HWD/cm)	Power Module 13.3 x 44.4 x 63.5, Battery Pack 13.4 x 40.6 x 63.5 (Installed depth of power module extends to 82.6 cm with detachable PDU backplate installed)
Material of construction	Steel
Form factors supported	Rack (6U)
Cooling method	Fan
Battery Access	User replaceable, hot swappable external battery pack
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

Line mode BTU/hr. (Max.)	3022 btu/hr.
Battery mode BTU/hr. (Max.)	3022 btu/hr.
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure)
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipmentideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zero, online UPS continuously converts incoming AC to DC, then back to AC. When line power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power	Maintains continuous operation during undervoltages as low as 156VAC. Below this point, output is maintained utilizing battery reserves.
High voltage transfer to battery power	Maintains continuous operation during overvoltages to 276V AC. Above this point, output is maintained utilizing battery reserves.
SPECIAL FEATURES	
EPO port	Includes dedicated EPO (emergency power off) interface and cabling
Cold Start	Inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP240V10RT3U, BP240V557C-1PH, BP240V787C-1PH, BP240V1037C-1PH, BP240V1407C-1PH
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), CE (European Union), NOM (Mexico), Class A (Emissions)
WARRANTY	
Product Warranty Period	2 years
Connected Equipment Coverage	$250,000 (USA, Puerto Rico & Canada only)
Optional Coverage	3-year, 5-year, next-day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information

Related Items

Extended Warranties		
WEXT3-SU10K	3-Year Extended Warranty - For SU10K models	Qty: [optional]
WEXT5-SU10K	5-Year Extended Warranty - For SU10K models	Qty: [optional]

External Battery Packs		
BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	Qty: [optional]
BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]

Power Distribution		

SUPDMB710IEC	Detachable PDU option with IEC output connections for compatible SmartOnline UPS Systems	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

Shutdown Cable Kits		
AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]

Start-Up/Warranty Services		
W02-BW0	Regular business hours start-up, excludes on-site warranty.	Qty: [optional]
W02-BW2-1BD	Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW2-247	Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-BW3-1BD	Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-BW3-247	Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW0	Evening or weekend hours start-up, excludes on-site warranty.	Qty: [optional]
W02-EW2-1BD	Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW2-247	Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW3-1BD	Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW3-247	Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-BW1-1BD	Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW1-247	Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-EW1-1BD	Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW1-247	Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3211.

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